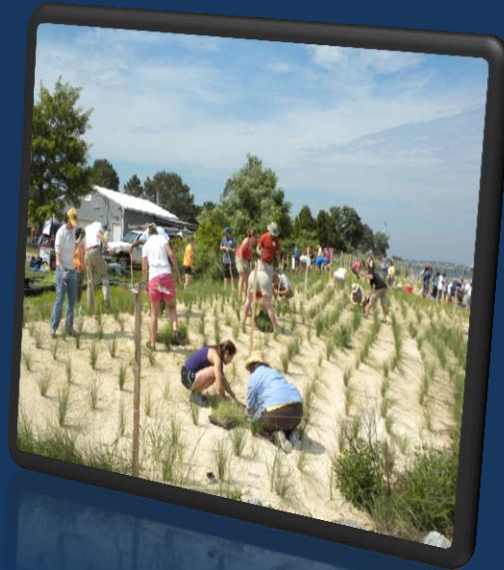


# Resilient Communities

## *NOAA's Strategy to Help Ocean and Coastal Communities*



**Dr. Holly A. Bamford**

Acting Assistant Secretary for Conservation and Management  
*National Oceanic and Atmospheric Administration*

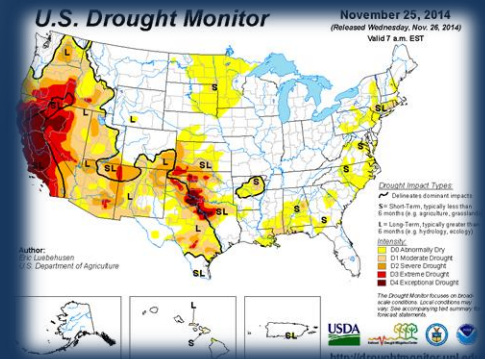
*Marine Fisheries Advisory Committee*  
*October 13, 2015*



# Ocean and Coastal Vulnerabilities and Risks



**Ocean and Coastal Challenges and Threats**





# Food Security

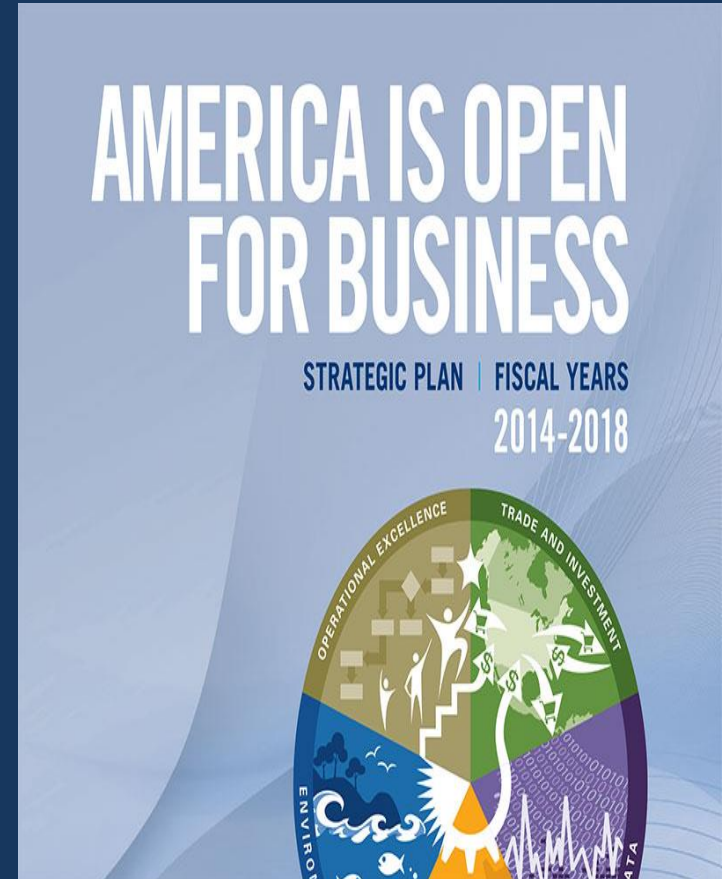
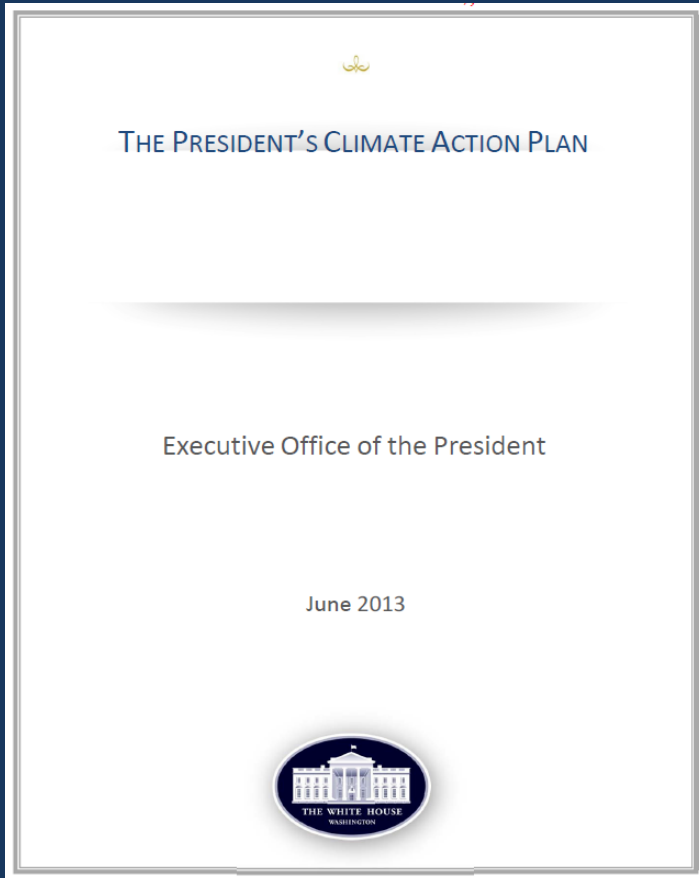


**ENERGY  
SECURITY**

**FOOD  
SECURITY**

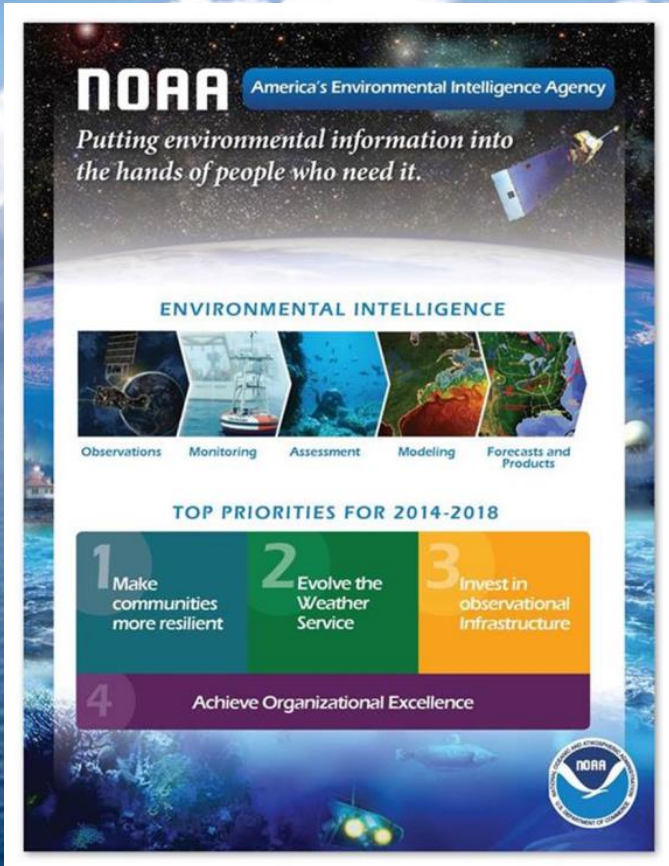
**WATER  
SECURITY**

# How do we line up?





# NOAA Resilient Communities Priority



# Enhancing Community Resilience



Coastal  
Resources



Water  
Resources



Ocean  
Resources

# Enhancing Community Resilience



## Ocean Resources

NOAA's focus areas in support of community resilience in the next few years fall in three interrelated categories:

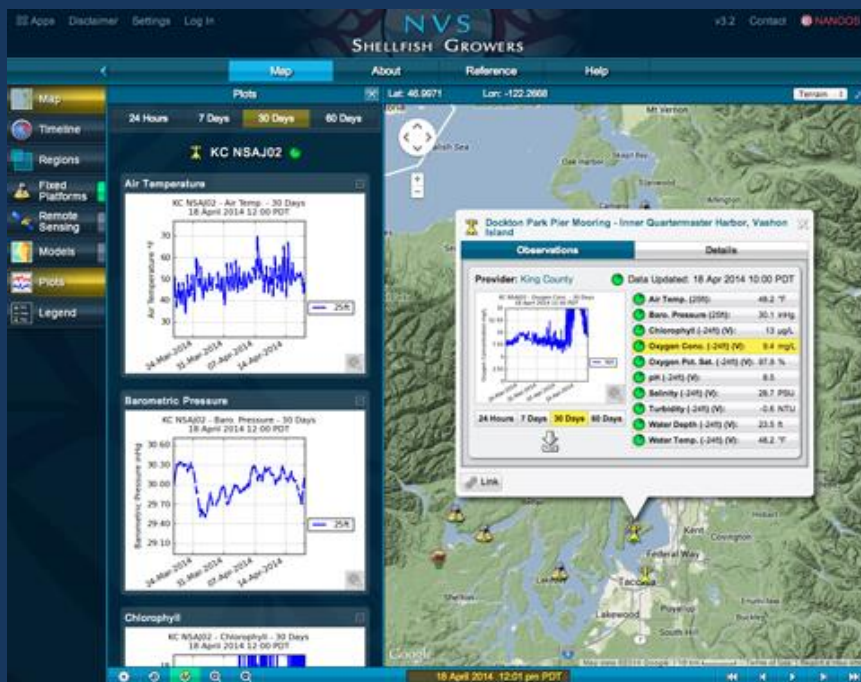
- Enable the nation to anticipate, incorporate, and respond to climate-sensitive changes in **water resources, water-related hazards, and extreme heat**.
- Increase the production, delivery, and use of climate-related information in the conservation and management of the nation's **living marine resources**.
- Ensure access to the best available information to address planning for **ocean resources and community risk and vulnerability** associated with local impacts from sudden or prolonged change.



# Ocean Acidification

## Shellfish industry:

- \$111 million on West Coast
- At risk from ocean acidification
- Real-time data informs management decisions





# IUU Fishing



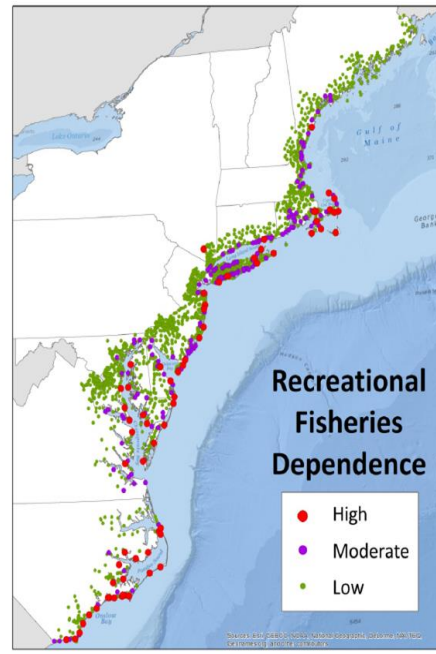
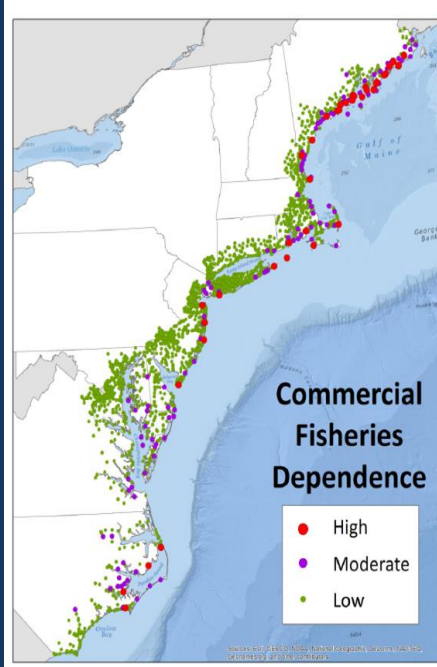
- Enhance fisheries resource and community resilience **through reducing Illegal, Unreported, and Unregulated (IUU) fishing and seafood fraud.**



# Assessing Risks and Resilience of Fishing Communities

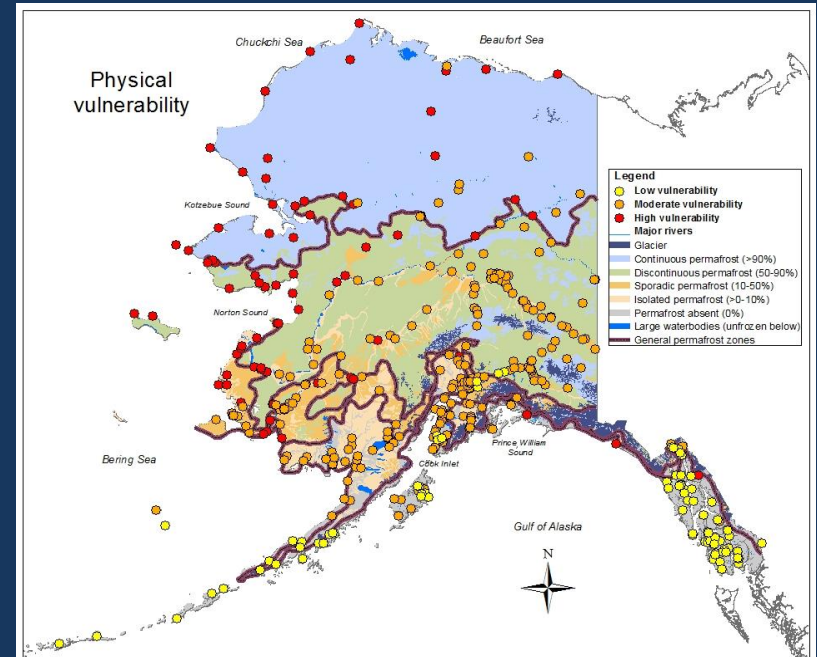
What is changing? Who is at risk? How increase resilience?

## TRACKING CHANGE



NMFS Community Vulnerability and Resilience Indicators Project

## WHAT IS VULNERABLE?



Alaska Fishing Community Vulnerability Assessment  
Himes-Cornell and Kasperski 2015



# Change is Here: Time to Act is Now



Questions?